














		EV..										
												
Operating range												
modulating	AC/DC 24 V	AC 19.2...28.8 V / DC 21.6...28.8 V										
communication	AC/DC 24 V	BACnet IP, BACnet MS/TP, Modbus TCP, Modbus RTU, MP-Bus AC 19.2...28.8 V / DC 21.6...28.8 V										
Internal thread ISO 9001		PN 25										
Energy meter with MID approval		DN [mm]	Rp [“]	G [“]	V_{nom} [l/s]	V_{nom} [l/min]	V_{nom} [m ³ /h]	k_{vs theor.} [m ³ /h]	qp [m ³ /h]	qs [m ³ /h]	qi [m ³ /h]	Q'max [kW]
EV015R2+MID		15	½	¾	0.42	25	1.5	2.9	1.5	3	0.015	350
EV020R2+MID		20	¾	1	0.69	41.7	2.5	4.9	2.5	5	0.025	585
EV025R2+MID		25	1	1¼	0.97	58.3	3.5	8.6	3.5	7	0.035	815
EV032R2+MID		32	1¼	1½	1.67	100	6	14.2	6	12	0.06	1400
EV040R2+MID		40	1½	2	2.78	166.7	10	21.3	10	20	0.1	2330
EV050R2+MID		50	2	2½	4.17	250	15	32.0	15	30	0.15	3500
Internal thread ISO 9001		PN 25										
Energy meter, MID approval and glycol monitoring		DN [mm]	Rp [“]	G [“]	V_{nom} [l/s]	V_{nom} [l/min]	V_{nom} [m ³ /h]	k_{vs theor.} [m ³ /h]	qp [m ³ /h]	qs [m ³ /h]	qi [m ³ /h]	Q'max [kW]
EV015R2+MID3		15	½	¾	0.42	25	1.5	2.9	1.5	3	0.015	350
EV020R2+MID3		20	¾	1	0.69	41.7	2.5	4.9	2.5	5	0.025	585
EV025R2+MID3		25	1	1¼	0.97	58.3	3.5	8.6	3.5	7	0.035	815
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EV040R2+MID3		40	1½	2	2.78	166.7	10	21.3	10	20	0.1	2330
EV050R2+MID3		50	2	2½	4.17	250	15	32.0	15	30	0.15	3500


k_{vs theor.}: Theoretical k_{vs} value for pressure drop calculation

qp = Nominal flow

qs = Highest flow

qi = Lowest flow








Q'max = Maximum thermal output (q = qs, ΔΘ = 100 K)

		Operating range						EV..	
modulating	AC/DC 24 V	AC 19.2...28.8 V / DC 21.6...28.8 V						 Actuator is a component of the valve.	
communication	AC/DC 24 V	BACnet IP, BACnet MS/TP, Modbus TCP, Modbus RTU, MP-Bus AC 19.2...28.8 V / DC 21.6...28.8 V							
Internal thread ISO 9001		PN 25							
Energy meter		DN [mm]	Rp [“]	G [“]	V_{nom} [l/s]	V_{nom} [l/min]	V_{nom} [m³/h]	k_{vs theor.} [m³/h]	
EV015R2+BAC		15	½	¾	0.42	25	1.5	2.9	
EV020R2+BAC		20	¾	1	0.69	41.7	2.5	4.9	
EV025R2+BAC		25	1	1¼	0.97	58.3	3.5	8.6	
EV032R2+BAC		32	1¼	1½	1.67	100	6	14.2	
EV040R2+BAC		40	1½	2	2.78	166.7	10	21.3	
EV050R2+BAC		50	2	2½	4.17	250	15	32.0	
Internal thread ISO 9001		PN 25							
Energy meter with fail-safe		DN [mm]	Rp [“]	G [“]	V_{nom} [l/s]	V_{nom} [l/min]	V_{nom} [m³/h]	k_{vs theor.} [m³/h]	
EV015R2+KBAC		15	½	¾	0.42	25	1.5	2.9	
EV020R2+KBAC		20	¾	1	0.69	41.7	2.5	4.9	
EV025R2+KBAC		25	1	1¼	0.97	58.3	3.5	8.6	
EV032R2+KBAC		32	1¼	1½	1.67	100	6	14.2	
EV040R2+KBAC		40	1½	2	2.78	166.7	10	21.3	
EV050R2+KBAC		50	2	2½	4.17	250	15	32.0	
Internal thread ISO 9001		PN 25							
Energy meter with glycol monitoring		DN [mm]	Rp [“]	G [“]	V_{nom} [l/s]	V_{nom} [l/min]	V_{nom} [m³/h]	k_{vs theor.} [m³/h]	
EV015R2+BAC3		15	½	¾	0.42	25	1.5	2.9	
EV020R2+BAC3		20	¾	1	0.69	41.7	2.5	4.9	
EV025R2+BAC3		25	1	1¼	0.97	58.3	3.5	8.6	
EV032R2+BAC3		32	1¼	1½	1.67	100	6	14.2	
EV040R2+BAC3		40	1½	2	2.78	166.7	10	21.3	
EV050R2+BAC3		50	2	2½	4.17	250	15	32.0	

k_{vs theor.}: Theoretical k_{vs} value for pressure drop calculation

Sensors from Belimo.
Belimo Energy Valve™ with TEM – Standard



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communication	AC/DC 24 V	BACnet IP, BACnet MS/TP, Modbus TCP, Modbus RTU, MP-Bus AC 19.2...28.8 V / DC 21.6...28.8 V							
Internal thread ISO 9001		PN 25							
Energy meter with glycol monitoring and fail-safe		DN [mm]	Rp [“]	G [“]	V _{nom} [l/s]	V _{nom} [l/min]	V _{nom} [m³/h]	k _{vs} theor. [m³/h]	
EV015R2+KBAC3 		15	½	¾	0.42	25	1.5	2.9	
EV020R2+KBAC3 		20	¾	1	0.69	41.7	2.5	4.9	
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k_{vs} theor.: Theoretical k_{vs} value for pressure drop calculation